



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-219863  
Lot Number: SAMPLE  
Product Name: rac N'-Nitrosornicotine-D4  
CAS Number: 66148-19-4  
Molecular Formula:  $C_9H_7D_4N_3O$   
Molecular Weight: 181.23

| Test                               | Specification                    | Result                                     |
|------------------------------------|----------------------------------|--------------------------------------------|
| Appearance                         | Colorless to yellow oil to solid | Pale yellow to light yellow solid          |
| Identification (NMR)               | Conforms to structure            | Complies                                   |
| Identification (Mass Spectrometry) | Conforms to structure            | Complies                                   |
| Isotopic Purity                    | > 95%                            | 97.9% (d0 = 0.00%)                         |
| Purity                             |                                  | 98%                                        |
| Purity (HPLC)                      | > 95%                            | 99.91 (236 nm)                             |
| Elemental Analysis                 |                                  | %C: 59.60<br>%H: 6.26<br>%N: 23.14         |
| Solubility                         |                                  | Chloroform (Slightly), Methanol (Slightly) |

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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